## Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A force sensing element comprising:

a gauge portion which is formed of an n-type semiconductor substrate whose (100)-face serves as a main face, a p-type semiconductor substrate whose (110)-face serves as a main face, or a p-type semiconductor substrate whose (111)-face serves as a main face and which is pressed in a thickness direction of the semiconductor substrate upon receiving a force; and

a plurality of electrodes which are electrically connected to the gauge portion such that a current path and an electric output voltage path extending in a direction corresponding to the thickness direction of the semiconductor substrate is formed in the gauge portion.

- (Original) The force sensing element according to claim 1, wherein the current path is so confined as to be formed in a certain part of the gauge portion.
  - (Currently Amended) A force sensing element comprising:
     a semiconductor substrate;

a gauge portion which is formed on one main face of the semiconductor substrate and which is pressed upon receiving a force; and

a plurality of electrodes which are electrically connected to the gauge portion such that a current path and an electric output voltage path extending in a direction corresponding to a thickness direction of the semiconductor substrate is formed in the gauge portion,

wherein a force is applied along the current path in the gauge portion.

- 4. (Original) The force sensing element according to claim 3, wherein a center of a region receiving a force of the gauge portion is located at a center of a region to which the force is applied.
- 5. (Original) The force sensing element according to claim 4, wherein the gauge portion is formed such that the current path is formed in a crystal direction which exhibits a high sensitivity for a transmitted force.
- 6. (Original) The force sensing element according to claim 3, wherein the gauge portion is formed such that the current path is formed in a crystal direction which exhibits a high sensitivity for a transmitted force.
- 7. (Original) The force sensing element according to claim 3, wherein the electrodes include a first electrode which is electrically connected to the gauge portion and a second electrode which is so formed on the other face of the semiconductor substrate as to face the first electrode.
  - (Currently Amended) A force sensing element comprising:
     a semiconductor substrate;

a gauge portion which is formed on one main face of the semiconductor substrate and which is pressed upon receiving a force;

a plurality of electrodes which are electrically connected to the gauge portion such that a current path and an electric output voltage path extending in a direction corresponding to a thickness direction of the semiconductor substrate is formed in the gauge portion; and

a force transmission block which presses the gauge portion along the current path upon receiving a force force,

wherein the gauge portion has a piezoresistance effect.

9. (Original) The force sensing element according to claim 8, wherein

a center of a region receiving a force of the gauge portion is located at a center of a region to which a force transmitted from the force transmission block is applied.

- 10. (Original) The force sensing element according to claim 9, further comprising:
  a force transmission body support portion which is disposed symmetrically
  with respect to the gauge portion so as to support the force transmission block.
- 11. (Original) The force sensing element according to claim 9, wherein the gauge portion is formed such that the current path is formed in a crystal direction which exhibits a high sensitivity for a transmitted force.
- 12. (Original) The force sensing element according to claim 8, wherein the gauge portion is formed such that the current path is formed in a crystal direction which exhibits a high sensitivity for a transmitted force.
- 13. (Original) The force sensing element according to claim 8, wherein the electrodes include a first electrode which is electrically connected to the gauge portion and a second electrode which is so formed on the other face of the semiconductor substrate as to face the first electrode.
  - 14. (Currently Amended) A force sensing element comprising:a first semiconductor substrate;
- a gauge portion which is formed on one main face of the first semiconductor substrate and which is pressed upon receiving a force;
- a second semiconductor substrate which is joined on the side of one main face thereof to the gauge portion of the first semiconductor substrate;
  - a first electrode which is formed on the first semiconductor substrate; and a second electrode which is formed on the second semiconductor substrate,

wherein a current path, which extends in the same direction as a force is applied to the gauge portion, is formed of the first electrode and the second electrode.electrode, and

wherein gauge portion has a piezoresistance effect.

15. (Original) The force sensing element according to claim 14, wherein the first electrode is formed on at least one of the other main face and a lateral face of the first semiconductor substrate, and the second electrode is formed on at least one of the other main face and a lateral face of the

second semiconductor substrate.